Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of producing a ceramic substrate comprised of a base that comprises a stack of layers, each layer in the stack comprising a non-sintered ceramic material and a binder, the method comprising:

debinding the layers in a temperature interval of T_{E1} - T_{E3}, where T_{E1} is a minimum debinding temperature and $T_{E3} > T_{E1}$; and

sintering the layers at a temperature T_S, where $T_S \geq T_{E3}$;

wherein debinding and sintering are performed in a same furnace; and

wherein a temperature T of the base does not fall below T_{E1} during debinding and sintering; [[and]]

wherein at least two of the layers comprise different ceramic materials; and

wherein a first layer of the stack comprises a first ceramic material, and a second layer of the stack comprises a second ceramic material having a relative permittivity which is at least two times as high as a relative permittivity of the first ceramic material.

2. (Previously presented) The method of claim 1, further comprising:

forming the stack of layers;

wherein forming comprises forming openings in the layers and adding a metalliferous paste to at least some of the openings.

3. (Previously presented) The method of claim 2, wherein the metalliferous paste comprises silver or silver-palladium.

4. (Cancelled)

5. (Currently Amended) The method of claim 2, wherein ~~the stack of layers comprises a first layer comprised of a first ceramic material and a second layer comprised of a second ceramic material,~~ the second layer ~~being~~ is disposed above the first layer;

wherein the first ceramic material begins to sinter at a temperature T_{S1}, the second ceramic material begins to sinter at a temperature T_{S3}, and the metalliferous paste begins to sinter at a temperature T_{S2}; and

wherein $T_{S1} < T_{S2} < T_{S3}$.

6. (Previously Presented) The method of claim 5, wherein, following sintering, the first ceramic material has a relative permittivity ε_1, where $7 \leq \varepsilon_1 \leq 8.5$; and

wherein, following sintering, the second ceramic material has a relative permittivity ε_2, where $18 \leq \varepsilon_2 \leq 22$.

7. (Previously presented) The method of claim 2, wherein forming comprises providing structured metallization layers between layers in the stack comprised of sintered ceramic material, the structured metallization layers comprising the metalliferous paste.

8. (Previously presented) The method of claim 5, further comprising forming a stratified compound using the first layer and the second layer, the ceramic substrate comprising plural stratified compounds; and

wherein forming structured metallization layers between the stratified compounds.

9. (Previously presented) The method of claim 1, wherein debinding and sintering are performed in an inert atmosphere.

10. (Previously presented) The method of claim 1, wherein debinding an sintering are performed in an air atmosphere.

11. (Previously presented) The method of claim 1, wherein, during debinding, an atmosphere in which debinding takes place changes from an inert atmosphere to an air atmosphere.

12. (Previously presented) The method of claim 11, wherein debinding begins at a temperature between T_{E1} - T_{E2} and the temperature increases at a ~~substantially constant~~ montonically increasing rate, where $T_{E1} < T_{E2} < T_{E3}$; whereafter T decreases to a value of T_{E1},

where $T_{E1} \leq T_{E1'} < T_{E2}$; whereafter T increases at a ~~substantially constant~~ monotonically increasing rate to a value T_{E3}.

13. (Previously presented) The method of claim 12, wherein a first part of debinding is performed in an atmosphere that is inert; and

wherein, during debinding, the atmosphere in the furnace changes to an air atmosphere in accordance with a reduction in temperature to a value of $T_{E1} \leq T_{E1'} < T_{E2}$.